



PTO/SB/08b (06-09)
Approved for use through 06/30/2009. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/589,822-Conf. #2431
				Filing Date	August 17, 2006
				First Named Inventor	Koji Watanabe
				Art Unit	2821
				Examiner Name	T. X. Le
Sheet	1	of	1	Attorney Docket Number	80054(302721)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA*	US-5,142,203	08-25-1992	Oda et al.	
	AB*	US-5,140,229	08-18-1992	Yagi et al.	
	AC*	US-2002/0105288-A1	08-08-2002	Nakagawa et al.	
	AD*	US-6,713,972-B2	03-30-2004	Nakagawa et al.	
	AE*	US-2003/0080693-A1	05-01-2003	Ono et al.	
	AF*	US-6,670,780-B2	12-30-2003	Ono et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			
	BA	JP-4-12495	01-17-1992			
	BB	JP-2002-175890	06-21-2002			
	BC	JP-2003-151786	05-23-2003			✓
	BD	JP-2003-133091	05-09-2003			
	BE	JP-2003-77689	03-14-2003			✓

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Notification of Reasons for Refusal dated December 14, 2004, issued in JP2004-048644.	√
	CB	Notification of Reasons for Refusal dated May 31, 2005, issued in JP2004-048644.	√
	CC	Notification of Reasons for Refusal dated June 10, 2008, issued in JP2006-007991.	√

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.